BRUHATH BANGALURU MAHANAGARA PALIKE
YELAHANKA ZONE

Office of the Executive Engineer
Electrical Division, Yelahanka Zone
Bruhath Bengaluru Mahanagara Palike

## "Schedule-B"

**Name of the work : Annual Maintenance Of Electrical Equipments and Maintenance of Crematorium at Hebala kempapura ward no 7**

| Sl No | Qty | Description Of Work | Unit | Approved Rates | |
|---|---|---|---|---|---|
| | | | | In figures | In words |
| 1 | 1 | Licenced electrician wiremen fitter with tools (Skilled)<br>Rs.13365/Person/Month.<br>Rs.13365/month<br>KAE71LWA 2015 Dated 04-08-2016 | Per Person | 270000 | Rupees Two Lakhs Seventy Thousand only |
| 2 | 1 | a).Helper (Electrical) (Semi-Skilled)<br>Rs.11011/Person/Month.<br>Rs.11011/month<br>KAE71LWA 2015 Dated 04-08-2016 | Per Person | 225000 | Rupees Two Lakhs Twenty Five Thousand only |
| 3 | 1 | a).Sweeper (Unskilled)<br>Rs.11011/Person/Month.<br>Rs.11011*12=132132/Person/Year.<br>KAE71LWA 2015 Dated 04-08-2016 | Per Person | 225000 | Rupees Two Lakhs Twenty Five Thousand only |
| 4 | 1 | Gurkha Watchman (Unskilled)<br>Rs.11011/Person/Month.<br>Rs.11011*12=132132/Person/Year.<br>KAE71LWA 2015 Dated 04-08-2016 | Per Person | 225000 | Rupees Two Lakhs Twenty Five Thousand only |
| 5 | 160 | Material components per day<br>a)soap oil | P/Ltrs | 10.0 | Rupees Ten Only |
| 6 | 200 | b)henyl | P/Ltrs | 50.0 | Rupees Fifty Only |
| 7 | 200 | c)Air Freshner cakes | Each | 10.0 | Rupees Ten Only |
| 8 | 110 | d)Room Freshner | P/Ltrs | 40.0 | Rupees Forty Only |
| 9 | 125 | e)Checks cloth | Doz | 50.0 | Rupees Fifty Only |
| 10 | 60 | f)Dust cloths | Doz | 50.0 | Rupees Fifty Only |
| 11 | 40 | g)Mop cloth | Each | 60.0 | Rupees Sixty Only |
| 12 | 45 | h)Soft broom | Each | 20.0 | Rupees Twenty Only |
| 13 | 40 | i)Hard broom | Each | 10.0 | Rupees Ten Only |
| 14 | 12 | j)Road brush | Each | 100.0 | Rupees One Hundred Only |
| 15 | 150 | k)Urinal cakes | Each | 10.0 | Rupees Ten Only |

| | | | | | |
|---|---|---|---|---|---|
| 16 | 36 | I)HCL | P/Ltrs | 25.0 | Rupees Tw Only |
| 17 | 16 | Body Resting Bricks made out of Refractory to with stand. Temperature upto 1000c to the required shape-as per BIS-8 | Each | 5500.0 | Rupees Five Thousand and Five Hundred Only |
| 18 | 24 | Supplying and fixing of heating element made out of nickel chromium 8/20, 8 SWG composition wire with SS 310, 450 x 10 mm dia. with one side threaded terminal rod duly welded, coil length 2690 mm, coil dia., 25 mm, weight of the coil 4.5 kg, coil of 0 to 25 mm ID 15 mm pitch to 8 to 10 mm (inclusive of KST, ST and CESS etc. | Each | 13000.0 | Rupees Thirteen Thousand Only |
| 19 | 1 | Annual Maintenance of 180 KVA D.G. Set Existing A.M.C. including of labour charges only for replacing the spare parts and periodically checkup of D.G. AMF panel (Without operator) | Each | 10000.0 | Rupees Ten Thousand Only |
| 20 | 2 | Supplying & Changing of B Check Kit for Engine. | Nos | 1000.0 | Rupees One Thousand Only |
| 21 | 1 | Supplying & Changing of Alternator AVR.( Automatic Voltage Regulat | Nos | 10000.0 | Rupees Ten Thousand Only |
| 22 | 1 | Supplying & Changing of Alternator Rectifier | Nos | 10000.0 | Rupees Ten Thousand Only |
| 23 | 1 | Supplying & Changing of Dynamo repair Kit such as Corbons, Bearings & Diode Etc,. | Nos | 5000.0 | Rupees Five Thousand Only |
| 24 | 2 | Supplying & Changing of Batery terminals | Nos | 1000.0 | Rupees One Thousand Only |
| 25 | 1 | Supplying & Fixing of Air filter | Nos | 500.0 | Rupees Five Hundred Only |
| 26 | 1 | Supplying & Changing of Radiator Fly wheel gear | Nos | 2000.0 | Rupees Two Thousand Only |
| 27 | 3 | Supplying of Switch disconnector fuse unit (TPN) HRC type (but without HRC fuses). With AC-23A duty and as per IS-13947. 2) 125Amps | Each | 2000.0 | Rupees Two Thousand Only |
| 28 | 3 | Supplying and fixing HRC fuse link on existing switch fuse base with watt loss as per IS-13703. 3) 125Amps | Each | 1250.0 | Rupees One Thousand Two Hundred and Fifty Only |
| 29 | 1 | Supplying & Changing of Cylinder head caliberation.(3 Nos) | Set | 4000.0 | Rupees Four Thousand Only |
| 30 | 1 | Supplying & Changing of Radiotor hose Kit (3 Nos) | Set | 1000.0 | Rupees One Thousand Only |
| 31 | 1 | Supplying & Changing of Pump gasket | Nos | 500.0 | Rupees Five Hundred Only |
| 32 | 1 | Supplying & Changing of Top cover gasket. | Nos | 500.0 | Rupees Five Hundred Only |

| | | | | | |
|---|---|---|---|---|---|
| 33 | 4 | Servicing & cleaning of Scrubber, Scrubber duct Exhaust Blower & Duct Furnace to Chimny and cleaning of chimny (6 monts once) | P/Set | 15000.0 | Rupees Fifteen Thousand Only |
| 34 | 4 | Accost - 50 Grade | Bag | 600.0 | Rupees Six Hundred Only |
| 35 | 2 | Fire crate super | Bag | 1000.0 | Rupees One Thousand Only |
| 36 | 2 | Thermotex | Bag | 1000.0 | Rupees One Thousand Only |
| 37 | 3 | Fire blanket : 128 Grade | Each | 350.0 | Rupees Three Hundred and Fifty Only |
| 38 | 102 | IS 8 Standard Brick : Size : 9x4.5x3 | Each | 100.0 | Rupees One Hundred Only |
| 39 | 6 | Plastic buckets 20 L capacity PWD Civil SR 2013-14 | No | 200.0 | Rupees Two Hundred Only |
| 40 | 10 | Plastic Mugs PWD Civil SR 2013-14 | No | 100.0 | Rupees One Hundred Only |
| 41 | 20 | Point wiring using Copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing capping using 1100V grade, COPPER conductor flexible multistrand FRLS PVC insulated, 2 X1.5Sq.mm Cable confirming to the GTP, with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet / gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. GROUP A Long point above 6Mtr upto 10Mtr from tapping point to out let via switch | Mtr | 500.0 | Rupees Five Hundred Only |
| 42 | 95 | Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand Copper conductor single core wire in open or concealed system of wiring as per IS-694:1990 & confirming to GTP of GROUP -A.1.5 sqmm | Rmt | 10.0 | Rupees Ten Only |
| 43 | 95 | 4)4 sqmm | P/Mtr | 20.0 | Rupees Twenty Only |
| 44 | 20 | Supplying and fixing/replacing of 6/16/32Amps electrical accessories on existing switch board. GROUP A 6Amps SV Switch | Nos | 150.0 | Rupees One Hundred and Fifty Only |
| 45 | 10 | 6Amps 3 way 5 pin Socket | Nos | 100.0 | Rupees One Hundred Only |
| 46 | 5 | 16 Amps SP switch | No | 150.0 | Rupees One Hundred and Fifty Only |
| 47 | 5 | 16 Amps 3 way 5 pin socket | No | 200.0 | Rupees Two Hundred Only |
| 48 | 5 | Stepped Fan Regulator. | Each | 450.0 | Rupees Four Hundred and Fifty Only |

| | | | | | |
|---|---|---|---|---|---|
| 49 | 20 | LED Indoor Supplying of 2' feet - LED PVC Square Batten ..W with high quality diffuser with Life of 25000 burning hours & 70% lumen maintenance with CRI > 80. Power Input: 220-240V @ 50Hz & Power factor >0.9 along with CE approved drivers. 5 years Warranty against any manufacturing defect working under standard electrical conditionLED light fighting 4' - 28 watts | Nos | 2000.0 | Rupees T Thousand On |
| 50 | 3 | Supplying and fixing Moulded Case Circuit Breaker (MCCB) Over the existing wood/panel board using necessary screws, bolts, nuts and wiring complete. Protection of overload and short circuit with thermal Magnetic/Micro processed release and Earth Fault as per IS-13947. (Icu=Ics). FOUR POLE<br>6) 125-160Amps 25kA. | Each | 8050.0 | Rupees Eight Thousand and Fifty Only |
| 51 | 1 | Supplying and fixing of Shunt trip suitable for MCCB.CBCT. | Each | 600.0 | Rupees Six Hundred Only |
| 52 | 2 | Supplying, installaion, testing & commis-sioning of 12Volts.. AH batteries in poly propylene container for D.G Sets low maintenance batteries. 4) 150 AH, Acid batteries. | Each | 20000.0 | Rupees Twenty Thousand Only |
| 53 | 6 | Supplying & fixing of Porcelain fuse channel with cut out on existing wooden/panel using necessary nuts, bolts and washers. 4) 100 Amps | Each | 200.0 | Rupees Two Hundred Only |
| 54 | 6 | 5) 200 Amps | Each | 500.0 | Rupees Five Hundred Only |
| 55 | 3 | Supplying of 1440rpm heavy duty exhaust fan with bracket blades suitable to operate on 230V 50Hz, AC Supply complete.<br>2) 15" Sweep (450mm) | Each | 5000.0 | Rupees Five Thousand Only |
| 56 | 3 | Fixing one exhaust fan after making a suitable nitch in the wall and finishing with cement mortar and colouring to match the existing wall or brackets, with bolts and nuts and a 5 amps, ceiling rose with sufficient length of 23 / 0.0076 inch PVC insulated twin core wire of approved make with wire mesh and wooden frame. | Each | 300.0 | Rupees Three Hundred Only |
| 57 | 8 | Supplying and fixing of Alkathine tube of 25 mm dia as per standard technical specification | Mtrs | 1000.0 | Rupees One Thousand Only |
| 58 | 2 | Supplying and installation of RUBBER MAT 1 mt X 2mt 10 mm thick. PWD Electrical SR 2010-11 | Each | 1500.0 | Rupees One Thousand and Five Hundred Only |
| 59 | 10 | Supplying and fixing of DANGER/NO ADMISSION/NO SMOKING board made out of MS sheet metal with two coats of non corrosive enameled paint. PWD Electrical SR 2007-08 | Each | 150.0 | Rupees One Hundred and Fifity Only |
| 60 | 4 | Supplying of Rubber HAND GLOVES of Electrical quality to 22KV. PWD Electrical SR 2007-08 | Pair | 200.0 | Rupees Two Hundred Only |
| 61 | 4 | Supplying of Safty MASK, PWD Electrical SR 2007-08 | Each | 100.0 | Rupees One Hundred Only |
| 62 | 6 | Supplying and fixing of LED type panel board indicating lamp with required colour suitable for 220v A.C.50 Hz 12/24v D.C. | Each | 300.0 | Rupees Three Hundred Only |
| 63 | 9 | Supplying tinned copper lugs and crimping and wiring to terminal point for wire of the following sizes<br>11) 95 sq mm long barrel | Each | 1000.0 | Rupees One Thousand Only |
| 64 | 6 | 15) 240 sq mm long barrel | Each | 1000.0 | Rupees One Thousand Only |
| 65 | 6 | Supply and fixing of 4 pole power contactor with NO/NC contacts on existing wood/panel board using necessary bolts, nuts, washers and wiring etc., complete with AC-3 Rating and as per IS-13947. 4) 5)160-200Amps | Each | 5000.0 | Rupees Five Thousand Only |

| | | | | | |
|---|---|---|---|---|---|
| 66 | 3 | 3) 60-70 amps | Each | 2000.0 | Rupees Two Thousand Only |
| 67 | 8 | Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' type curve, indicator ON/OFF, energy cross-3 with short circuit breaking capacity of 10K and Complete wiring as required confirming IEC 60898. 6) 40-63 Amps TPN | Each | 1500.0 | Rupees One Thousand and Five Hundred Only |
| 68 | 8 | 3) 5-32Amps DP | Each | 600.0 | Rupees Six Hundred Only |
| 69 | 2 | Supplying of LED Floodlight with .....W System Power consumption pressure die cast aluminum housing with powder coating with IP 65 protection. 1, 200-275V voltage with electronic Driver, PF>0.9, should meet ANSI 2G Vibration test, Compliance to UL/CE with Class I. System rating shall be 50K hrs. @ Lumen maintenance of 70%, system efficacy > 80lm/w. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI >75. Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Housing with supplier word mark /name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer.LED Floodlight 90W | Nos | 45000.0 | Rupees Forty Five Thousand Only |

I am prepared to take up the above work at rates quoted in the Schedule 'B'

For S.B.E.S. ELECTRICALS

Contractor Proprietor

EXECUTIVE ENGINEER (ELEC)
BBMP, Yelahanka Zone